



**GOVERNMENT OF THE DISTRICT OF COLUMBIA  
CONSTRUCTION CODES COORDINATING BOARD**

*c/o DCRA– 1100 4<sup>th</sup> Street SW, Washington, DC 20024*

**CODE CHANGE PROPOSAL FORM**

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**CODE:** Building                      **SECTION NO.** 1504.4, 1507.17 (new)    **SUBCOMMITTEE AMENDMENT NO.** BC-B-15-1-13

**PROPOSING SUBCOMMITTEE:** Building    **CHAIR:** Sabbakhan    **PHONE:** 202-442-4542

**E-mail:** rabbiah.sabbakhan@dc.gov

**DATES OF PROPOSAL:** 5/15/2012

**CCCCB PRESENTATION:** 5.21.12

**CCCCB APPROVAL:** 6.1.12

CHECK ONE

☒ *Revise section to read as follows:*

☒ *Add new section to read as follows:*

☐ *Delete section and substitute the following:*

☐ *Delete section without substitution.*

**TYPE ALL TEXT IN 12-POINT TIMES NEW ROMAN FONT**

~~LINE THROUGH TEXT TO BE DELETED~~ (highlight text, under Format, click font and check strikethrough)

UNDERLINE TEXT TO BE ADDED

*Strike Section 1504.4 of the International Building Code in its entirety and insert new Section 1504.4 to the Building Code in its place:*

**1504.4 Ballasted low-slope roof systems.** Ballasted low-slope (roof slope < 2:12) single-ply roof system coverings installed in accordance with Sections 1507.12 and 1507.13, and protected membrane ballasted low-slope (roof slope < 2:12) hot-applied rubberized-asphalt roofing systems installed in accordance with Section 1507.18, shall be designed in accordance with Section 1504.8 and ANSI/SPRI RP-4.

*Add new Sections 1507.18 to the Building Code:*

**1507.18 Hot-applied rubberized-asphalt roofing.** The installation of hot-applied rubberized-asphalt roofing shall comply with the provisions of this section.

**1507.18.1 Slope.** Hot-applied rubberized-asphalt roof membranes shall not be required to have a minimum design slope (0-percent slope).

**1507.18.2 Material standards.** Hot-applied rubberized-asphalt roofing shall be one-part hot-applied rubberized asphalt and comply with CAN/CGSB-37.50-M89.

**1507.18.3 Protected membrane ballasted low-slope roofs.** Protected membrane ballasted roof assemblies with a low-slope (roof slope < 2:12) shall be installed in accordance with this section and Section 1504.4. Stone used as ballast shall comply with ASTM D448.



Anticipated impact of code change on cost of construction (CHECK ONE)

☐ *Increase*

☐ *Decrease*

☒ *Negligible*

☐ *Unknown*

*Per 1,000 SF single-family dwelling to*

*Per 1,000SF of commercial building to*

**JUSTIFICATION OF CHANGE:**

Please reference one or more of the criteria required

- ☐ To address a critical life/safety, health, general welfare need.
- ☐ To address a specific District of Columbia policy or statute
- ☐ For consistency with federal, or with reference to the Metro DC area (MD, VA) codes
- ☐ Address a unique character issue in the District of Columbia
- ☐ Correction of errors and omissions
- ☒ Other (explain) To address a roofing system that is not addressed in the International Building Code

**Reason:** The purpose for this proposed code change is to provide minimum requirements for a hot-applied rubberized-asphalt roof membrane used with protected ballasted roof systems because this system is not addressed in the International Building Code. This type of roof system is common for commercial and institutional building projects in the Washington, D.C. and surrounding areas, and this proposed code change will provide clarity for this type of roof system to owners, building officials, and registered design professionals.

Hot-applied rubberized-asphalt material was originally developed as a waterproofing membrane intended to be subjected to long-term submersion in water, and has been used in reflecting ponds, pools, fountains, water features, planters, and protected membrane roof systems. It is installed monolithically with no seams, and is not affected by long-term exposure to ponding or standing water. Hot-applied rubberized-asphalt roof membrane used with a protected ballasted roof system is a high quality system with a proven long-term life expectancy. Manufacturers offer full warranties for watertightness and material integrity of hot-applied rubberized-asphalt roofing systems regardless of whether a slope is provided in the construction.

The text in the proposed code change is consistent with the "Acceptance Criteria for Hot-Applied Rubberized-Asphalt Roof Membranes Used with Protected Membrane Ballasted Roof Systems", Criteria Number AC384, Approved October, 2007, Effective November 1, 2007, by the ICC Evaluation Service, Inc.

Code change proposal was adopted in 2009 code review process as Amendment No. B-15-1-11.